



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Takahiro HAMADA et al.  
Title: FUEL INJECTION VALVE  
Appl. No.: 10/823,773  
Filing Date: 04/14/2004  
Examiner: Unassigned  
Art Unit: 3747

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document, except as noted below, is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The USPTO has waived the requirement under 37 CFR 1.98(a)(2)(i) to submit copies of U.S. patents and U.S. patent application publications when citing and submitting an Information Disclosure Statements in a patent application filed after June 30, 2003 and in an international application that has entered the national stage under 37 USC §371 after June 30, 2003. Accordingly, copies of these types of documents are not being supplied in connection with this application. Reference is being made to OG Notice dated August 5, 2003, *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003.*

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the

present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

### **TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

### **RELEVANCE OF EACH DOCUMENT**

The relevance of foreign-language documents A14, A15 and A24 is described in the present specification.

Documents A18 and A20-22 came to Applicants' attention during a search of the corresponding European application. A copy of the European Search Report setting forth the portion of each reference considered relevant by the examiner is attached.

Document A23 discloses a new type of operating surface protective procedures for pistons of combustion motors.

English translations of the foreign-language documents are not readily available. However, English language abstracts are provided herewith. Consequently, the foreign language documents have been submitted in compliance with the PTO requirements and, therefore, the document should be considered by the Examiner (37 CFR §1.97, §1.98 and MPEP §609).

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date OCT 25 2004

By 

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTDate Submitted: **OCT 25 2004**

(Use as many sheets as necessary)

1 of 2

## Complete if Known

Application Number	10/823,773
Filing Date	04/14/2004
First Named Inventor	Takahiro HAMADA
Group Art Unit	3747
Examiner Name	Unassigned
Attorney Docket Number	023971-0407

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	5,843,571		SHO	12-01-1998	
	A2	5,466,431		DORFMAN ET AL.	11-14-1995	
	A3	5,190,824		ITOH	03-02-1993	
	A4	4,783,368		YAMAMOTO ET AL.	11-08-1988	
	A5	4,755,426		KOKAI ET AL.	07-05-1988	
	A6	5,205,188		REPENNING ET AL.	04-27-1993	
	A7	5,077,990		PLATH	01-07-1992	
	A8	4,554,208		MACIVER ET AL.	11-19-1985	
	A9	6,237,441	B1	NISHIOKA ET AL.	05-29-2001	
	A10	5,249,554		TAMOR ET AL.	10-05-1993	
	A11	5,237,967		WILLERMET ET AL.	08-24-1993	
	A12	4,974,498		LEMELSON	12-04-1990	
	A13	6,715,693	B1	DAM ET AL.	04-06-2004	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A14	JP	7-63135	A	NIPPON INJECTOR KK	03-07-1995		Abst.
	A15	JP	2002-332571	A	DENSO CORP., ET AL.	11-22-2002		Abst.
	A16	JP	6-294307	A	SUMITOMO ELECTRIC IND. CO.	10-21-1994		Abst.
	A17	JP	7-90553	A	SHOHIRO MIYAKE ET AL.	04-04-1995		Transl.
	A18	DE	103 18 135	A1	DENSO CORP.	11-06-2003		Abst.
	A19	EP	0 731 190	B1	GENERAL MOTORS CORP.	05-06-1999		
	A20	EP	0 818 622	A1	FORD GLOBAL TECHNOLOGIES, INC.	01-14-1998		
	A21	WO	01/61182	A1	CATERPILLAR INC.	08-23-2001		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A22	D.G. Watson et al., "Engineering Drawing Practice," XP002281300, University of Hertfordshire, Sept. 1991, page 29, Figure 38.	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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				Group Art Unit	3747
				Examiner Name	Unassigned
				Attorney Docket Number	023971-0407
Sheet	2	of	2		

[illegible]

Examiner Signature		Date Considered	
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